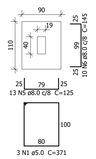
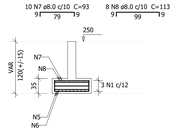
S1
PLANTA ESC 1:50



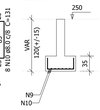
CORTE ESC 1:50



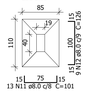
S2
PLANTA ESC 1:50



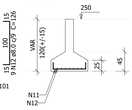
CORTE ESC 1:50



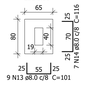
S3
PLANTA ESC 1:50



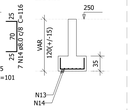
CORTE ESC 1:50



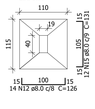
S4
PLANTA ESC 1:50



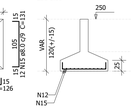
CORTE ESC 1:50



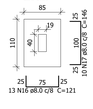
S5
PLANTA ESC 1:50



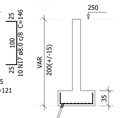
CORTE ESC 1:50



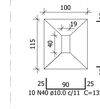
S6
PLANTA ESC 1:50



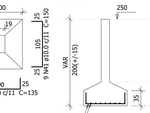
CORTE ESC 1:50



S7
PLANTA ESC 1:50



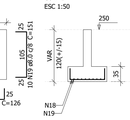
CORTE ESC 1:50



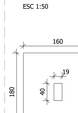
S13
PLANTA ESC 1:50



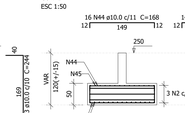
CORTE ESC 1:50



S14
PLANTA ESC 1:50

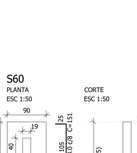


CORTE ESC 1:50



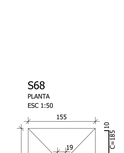
S18
PLANTA ESC 1:50

CORTE ESC 1:50

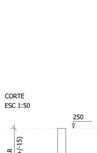


S19
PLANTA ESC 1:50

CORTE ESC 1:50

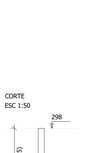


S20
PLANTA ESC 1:50



CORTE ESC 1:50

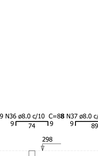
S22=S33
PLANTA ESC 1:50



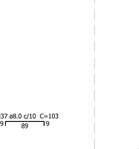
CORTE ESC 1:50



S23
PLANTA ESC 1:50



CORTE ESC 1:50



S24
PLANTA ESC 1:50



CORTE ESC 1:50



S25
PLANTA ESC 1:50

CORTE ESC 1:50

S26
PLANTA ESC 1:50

CORTE ESC 1:50

S34
PLANTA ESC 1:50

CORTE ESC 1:50

S37
PLANTA ESC 1:50

CORTE ESC 1:50

S42
PLANTA ESC 1:50

CORTE ESC 1:50

S43
PLANTA ESC 1:50

CORTE ESC 1:50

S44
PLANTA ESC 1:50

CORTE ESC 1:50

Relação do aço

S1	S2	S3
S4	S5	S6
S7	S13	S14
S18	S19	S20
2xS22	S23	S24
S25	S26	S34
S37	S42	S43
S44	S45	S51
S52	S56	S57
S58	S59	S60
S68	S69	S70
S71		

AÇO	N	DIAM (mm)	QUANT	C.UNIT (cm)	C.TOTAL (cm)
CA60	1	5.0	3	371	1113
	2	5.0	3	651	1953
	3	5.0	3	341	1023
	4	5.0	3	311	933
CA50	5	8.0	22	125	2750
	6	8.0	10	145	1450
	7	8.0	17	93	1581
	8	8.0	8	113	904
	9	8.0	18	106	1908
	10	8.0	36	131	4716
	11	8.0	13	101	1313
	12	8.0	23	126	2898
	13	8.0	9	101	909
	14	8.0	7	116	812
	15	8.0	12	131	1572
	16	8.0	20	121	2420
	17	8.0	50	146	7300
	18	8.0	53	126	6678
	19	8.0	31	151	4681
	20	8.0	14	116	1624
	21	8.0	10	136	1360
	22	8.0	26	166	4316
	23	8.0	8	136	1904
	24	8.0	23	156	3588
	25	8.0	13	111	1443
	26	8.0	11	131	1441
	27	8.0	9	96	864
	28	8.0	8	106	848
	29	8.0	25	141	3525
	30	8.0	12	161	1932
	31	8.0	18	96	1728
	32	8.0	12	111	1332
	33	8.0	10	126	1260
	34	8.0	12	120	1440
	35	8.0	10	135	1350
	36	8.0	9	88	792
	37	8.0	8	103	824
	38	8.0	10	115	1150
	39	8.0	8	83	664
	40	10.0	10	135	1350
	41	10.0	9	150	1350
	42	10.0	17	224	3808
	43	10.0	15	244	3660
	44	10.0	16	168	2688
	45	10.0	14	188	2632
	46	10.0	11	130	1430
	47	10.0	8	150	1200
	48	10.0	18	155	2790
	49	10.0	16	175	2800
	50	10.0	13	155	2015
	51	10.0	11	170	1870
	52	10.0	12	145	1740
	53	10.0	10	160	1600
	54	10.0	12	155	1860
	55	10.0	11	175	1925
	56	10.0	17	140	2380
	57	10.0	14	165	2310
	58	10.0	14	160	2240
	59	10.0	11	185	2035
	60	12.5	12	149	1788
	61	12.5	24	169	4056
	62	12.5	12	179	2148

Resumo do aço

AÇO	DIAM (mm)	C.TOTAL (m)	QUANT (Barras)	PESO (kg)
CA50	8.0	752.8	63	297
	10.0	436.9	37	269.3
	12.5	80	7	77
CA60	5.0	50.3	-	7.7
PESO TOTAL (kg)				
CA50	643.3			
CA60	7.7			

Volume de concreto (C-30) = 16.82 m³
Área de forma = 47.95 m²

S45
PLANTA ESC 1:50

CORTE ESC 1:50

S51
PLANTA ESC 1:50

CORTE ESC 1:50

S52
PLANTA ESC 1:50

CORTE ESC 1:50

S56
PLANTA ESC 1:50

CORTE ESC 1:50

S57
PLANTA ESC 1:50

CORTE ESC 1:50

S58
PLANTA ESC 1:50

CORTE ESC 1:50

S59
PLANTA ESC 1:50

CORTE ESC 1:50

S60
PLANTA ESC 1:50

CORTE ESC 1:50

S68
PLANTA ESC 1:50

CORTE ESC 1:50

S69
PLANTA ESC 1:50

CORTE ESC 1:50

S70
PLANTA ESC 1:50

CORTE ESC 1:50

S71
PLANTA ESC 1:50

CORTE ESC 1:50

R01	DIVISÃO DAS FASES	18/03/2026
R00	EMISSÃO INICIAL	12/02/2026
Nº	DESCRIÇÃO	DATA

OBS.: TODAS AS MEDIDAS DEVEM SER CONFERIDAS EM OBRA. CASO SEJA NECESSÁRIO ALGUMA ALTERAÇÃO, ENTRAR EM CONTATO COM O PROJETISTA RESPONSÁVEL.

ASSINATURAS

CLIENTE:

PREFEITURA MUNICIPAL DE GOVERNADOR CELSO RAMOS
82.892.373/0001-89

RESPONSÁVEL TÉCNICO:

MARCO AURELIO SACENTI:04158791910 Assinado de forma digital por MARCO AURELIO SACENTI:04158791910 Dados: 2026.03.19 15:23:30 -03'00'

MARCO AURÉLIO SACENTI
CREA/SC 082270-7

ESTRUTURAL

ENGEPLANTI
PROJETOS E SUPERVISÃO

Engeplanti Consultoria LTDA / CREA nº 163388-0 / CNPJ 23.002.667/0001-29
Rua Cristóvão Nunes Pires, 110 - CEP 88010-120 - Florianópolis / Fone: (48) 3364-2209 / e-mail: projetos@engeplanti.com.br

OBRA:
CEI DULCE GODINHO NAZÁRIO

INSCRIÇÃO IMOBILIÁRIA:

ENDEREÇO:
RUA SÃO PEDRO, CANTO DOS GANCHOS, GOVERNADOR CELSO RAMOS/SC

CONTEÚDO:
DETALHAMENTO SAPATAS TRAVAMENTO
EDIFICAÇÃO PRINCIPAL (100)

ESCALA: INDICADA

ETAPA: PROJETO EXECUTIVO

PRANCHA: EST 14/35

ARQUIVO:
029-23-28-CEI DULCE-EST-PE-114-DETALHAMENTO SAPATAS TRAVAMENTO-R01.dwg